

## QUIZ: RESPIRATION

1. When a molecule of glucose is broken down for release of energy in alcoholic fermentation, the number of CO<sub>2</sub> molecules formed is
  - (a) One
  - (b) Six
  - (c) Two
  - (d) None
2. During anaerobic alcoholic fermentation by yeast, alcohol is formed
  - (a) Outside the yeast cell
  - (b) Within the yeast cell
  - (c) In the yeast cell mitochondrion
  - (d) In the yeast cell vacuole
3. In cellular respiration, the first step is the breakdown of glucose into a three carbon molecule called pyruvate. This occurs in
  - (a) Mitochondrion
  - (b) Golgi body
  - (c) Plastid
  - (d) Cytoplasm
4. When the terminal phosphate linkage in ATP is broken down using water, the amount of energy released is
  - (a) 30.5 KJ/mol
  - (b) 30.5 Kcal/mol
  - (c) 3.05 KJ/mol
  - (d) 20.5 Kcal/mol
5. When we blow air through lime water, lime water turns milky. It is due to the reaction of which of the following gas with lime water?
  - (a) Oxygen
  - (b) Nitrogen
  - (c) Carbon dioxide
  - (d) Hydrogen

**Answers:**

1. (c)
2. (b)
3. (d)
4. (a)
5. (c)